



Bureau of Waste Management

8804-100-10  
✓ OKC Curbis 11/17/12

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES  
Post Office Box 2063  
Harrisburg, Pennsylvania 17120

ORIGINAL  
(Red)

# Preliminary Assessment

FOR

GENERAL CRUSHED STONE  
PA #1247

City of Quakertown  
Bucks County  
Pennsylvania

TABLE OF CONTENTS

1. Narrative
2. EPA Form 2701-12  
Potential Hazardous Waste Site Preliminary Assessment
3. Field Trip Summary Report
4. USGS 7.5 Minute Quadrangles  
Site Location  
 $\frac{1}{4}$  Mile Radius
5. Impoundment System Diagram
6. Drinking Water Source Map
7. Sources of Information
8. Appendix

## NARRATIVE

The General Crushed Stone Quarry is located on Rockhill Road; East Rockhill Township; Bucks County PA. This quarry mined diabase type rock during the seventies. Actual mining hasn't occurred since around 1980. Owner of the company, General Crushed Stone of Easton PA., keeps the mining permit active for this site by removing about 500 tons per year of Stock-piled material.

When the quarry was operating there was also a bituminous concrete(asphalt) plant at the site, which has since been dismantled and moved to an affiliated site in New York State. The asphalt plant operated until 1980 and was removed in 1983.

The site holds two current DER permits. One from the Bureau of Mining and Land Reclamation numbered 7974SM1, and an NPDES permit number PA0013684. Parameters on the NPDES permit are pH and Suspended Solids with ranges of 6.0 and 9.0 for pH and 25mg/l to 45mg/l for suspended solids. Since the NPDES permit was issued, there has been no discharge and therefore no data has been gathered with regards to discharge parameters.

Pollution incidents which have occurred on site are of two varieties; Water and Air. The site utilized a system of lagoons for settling solids in stone washing and asphalt plant wash-water. These impoundments had overflowed on three occasions

and discharged into an unnamed tributary of the Tohickon Creek. Discharges without a permit are violations of the Clean Streams law and therefore were cited by inspectors from the Bucks County Health Dept. and PA DER. Once the treatment system became permitted, washwater was being recycled and there was no need for discharge, except during rain or other periods of excessive flow. Air pollution incidents cited at the site were for exceeding visible emissions standards at the asphalt plant and one for fugitive dust emission.

The entire site is on a large diabase sill which is estimated to be approximately 1700 feet thick; and dips  $10^{\circ}$  -  $15^{\circ}$  west. Wells in this formation provide a low yield, are about 50 feet deep, and are located in the upper weathered layer. Depth to groundwater is about 10 feet. Two soil types exist on the site: The Northwest Portion is Montalo silt loam which has good but not rapid drainage and is about  $3\frac{1}{2}$  feet in depth. The higher portions of the site are a shallow Lehigh Silty Clay loam.

Two wells currently exist on-site and are not used for drinking purposes. All drinking water is bottled. The closest private wells are approximately  $\frac{1}{4}$  mile from the actual site. These wells are downgradient with regards to groundwater flow. Three public water supplies exist within a ten mile radius. The closest being The Perkasie Borough Authority which is



two miles from the site, water is from resevoirs supplied by wells. Quakertown and Sellersville also have public water supplies in the area.



**POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 1 - SITE INFORMATION AND ASSESSMENT**

**I. IDENTIFICATION**

01 STATE 02 SITE NUMBER

PA 1247

**II. SITE NAME AND LOCATION**

01 SITE NAME (Legal, common, or descriptive name of site) General Crushed Stone		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER Quarry and Rockhill Rds.			
03 CITY Quakertown	04 STATE PA	05 ZIP CODE 18944	06 COUNTY Bucks	07 COUNTY CODE 09	08 CONG DIST
09 COORDINATES LATITUDE 75° 17 30.0		LONGITUDE 40° 24 18.0 N			

10 DIRECTIONS TO SITE (Starting from nearest public road)  
Old Rt 309 South from Quakertown; Left on to Weikel Rd. This eventually becomes Rockhill Rd. Site is approximately 1 1/4 miles from Rt. 309.

**III. RESPONSIBLE PARTIES**

01 OWNER (if known) General Crushed Stone		02 STREET (Business, mailing, residential) PO Box 231 Sullivan Trail			
03 CITY Easton	04 STATE PA	05 ZIP CODE 18042	06 TELEPHONE NUMBER (215) 253-4271		
07 OPERATOR (if known and different from owner) same		08 STREET (Business, mailing, residential) same			
09 CITY same	10 STATE same	11 ZIP CODE same	12 TELEPHONE NUMBER ( )		
13 TYPE OF OWNERSHIP (Check one) <input type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN					

**14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)**

☐ A. RCRA 3001 DATE RECEIVED: \_\_\_\_/\_\_\_\_/\_\_\_\_ MONTH DAY YEAR   ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: \_\_\_\_/\_\_\_\_/\_\_\_\_ MONTH DAY YEAR   ☐ C. NONE

**IV. CHARACTERIZATION OF POTENTIAL HAZARD**

01 ON SITE INSPECTION <input type="checkbox"/> YES <input type="checkbox"/> NO   DATE ____/____/____ MONTH DAY YEAR		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____			
02 SITE STATUS (Check one) <input type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION BEGINNING YEAR: 1970?   ENDING YEAR: Present <input type="checkbox"/> UNKNOWN			

**04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED**

ACL 20 leftover from Asphalt Plant Clean-up

**05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION**

ACL 20 and water located in Containment Structure for old Asphalt Plant.

**V. PRIORITY ASSESSMENT**

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents) <input type="checkbox"/> A. HIGH (Inspection required promptly) <input type="checkbox"/> B. MEDIUM (Inspection required) <input checked="" type="checkbox"/> C. LOW (Inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition form)			
--	--	--	--

**VI. INFORMATION AVAILABLE FROM**

01 CONTACT Michael Pennella		02 OF (Agency/Organization) Bureau of Waste Management		03 TELEPHONE NUMBER (215) 270-1948	
04 PERSON RESPONSIBLE FOR ASSESSMENT Michael Pennella		05 AGENCY DER	06 ORGANIZATION Waste Management	07 TELEPHONE NUMBER (215) 270-1948	08 DATE ____/____/____ MONTH DAY YEAR





**POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 2 - WASTE INFORMATION**

### I. IDENTIFICATION

01 STATE FA	02 SITE NUMBER 1247
----------------	------------------------

## II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

## 01 PHYSICAL STATES (Check all that apply)

- ☐ A SOLID                      ☒ E SLURRY  
☐ B POWDER, FINES        ☐ F LIQUID  
☐ C SLUDGE                   ☐ G GAS  
☐ D OTHER \_\_\_\_\_ (Specify)

## 02 WASTE QUANTITY AT SITE

(Measures of waste quantities must be independent)

TONS \_\_\_\_\_

CUBIC YARDS approx. 10

NO. OF DRUMS \_\_\_\_\_

## 03 WASTE CHARACTERISTICS (Check all that apply)

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> A TOXIC       | <input type="checkbox"/> E SOLUBLE     | <input type="checkbox"/> I. HIGHLY VOLATILE           |
| <input type="checkbox"/> B CORROSIVE   | <input type="checkbox"/> F. INFECTIOUS | <input type="checkbox"/> J. EXPLOSIVE                 |
| <input type="checkbox"/> C RADIOACTIVE | <input type="checkbox"/> G. FLAMMABLE  | <input type="checkbox"/> K. REACTIVE                  |
| <input type="checkbox"/> D PERSISTENT  | <input type="checkbox"/> H. IGNITABLE  | <input type="checkbox"/> L. INCOMPATIBLE              |
|  |  | <input checked="" type="checkbox"/> M. NOT APPLICABLE |

### III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE	approx. 10	cu yards	containment structure for asphalt plant
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

## IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers) N/A

[illegible]

## V. FEEDSTOCKS (See Appendix for CAS Numbers) N/A

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

## VI. SOURCES OF INFORMATION (Cite specific references, e.g., state laws, sample analysis, reports)



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
PA 1247

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☒ OBSERVED (DATE: 11/70; 4/71; 9/75) ☐ POTENTIAL ☒ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 0 04 NARRATIVE DESCRIPTION  
Two unpermitted discharges to an unnamed tributary of the Tohickon Creek from stone washing settling lagoons.  
9/75 Lagoon system not providing adequate treatment for turbidity, suspended solids, and total iron. Oil present in one lagoon.

01 ☒ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: 11/80) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 0 04 NARRATIVE DESCRIPTION  
Asphalt plant 2 violations for emissions; one for fugitive dust emissions and the other for visible emissions.

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

01 ☐ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

01 ☐ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 AREA POTENTIALLY AFFECTED: \_\_\_\_\_ (Acres) 04 NARRATIVE DESCRIPTION

01 ☐ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

01 ☐ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 WORKERS POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

01 ☐ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION





POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
PA 1247

ORIGINAL

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

01 ☐ K. DAMAGE TO FAUNA  
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

01 ☐ L. CONTAMINATION OF FOOD CHAIN  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES  
(Spills, runoff, standing liquids, leaking drums)

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

IV. COMMENTS

None

V. SOURCES OF INFORMATION (Give specific references, e.g., state files, sample analysis, reports)



# FIELD TRIP : JMMARY REPORT

This summary should be prepared in conjunction with the Preliminary Assessment, EPA Form 2070-12.

ORIGINAL  
(Red)

EPA Case Number PA-1247 Site Name General Crushed Stone

<b>Site Description</b> <p>Stone Quarry</p>	
<b>Area of site (acres)</b> <p>103</p>	<b>Hazardous portion, if not entire site</b> <p>-0-</p>
<b>Description of processes/operations which took place at the site</b> <p>Quarrying of Diabase Rock which included a stone washing system which had a NPDES discharge into an unnamed tributary of the Tohickon Creek. A bituminous concrete plant which also utilized the lagoon system.</p>	
<b>Waste handling/disposal practices</b> <p>NPDES discharge of washwaters to an unnamed tributary of the Tohickon Creek.</p>	
<b>Site topography and runoff drainage patterns</b> Site drainage is either into the quarry or in a southwestwardly direction into an unnamed tributary of the Tohickon Creek	
<b>Surface or subsurface drainage areas (achate) noted?</b> <p>No</p>	<b>Odors/stains noted?</b> <p>No</p>
	<b>Stressed vegetation noted?</b> <p>No</p>
<b>Location and description of streams or flow direction and observations. Note receiving waters adjacent to site. Include location on attached map.</b> <p>Unnamed tributary of Tohickon flows NNW to Tohickon flowing North.</p>	
<b>Monitoring wells on site or in vicinity</b> Note location on attached map. <p>-N/A-</p>	

ORIGINAL  
ORIGINAL  
(Red)

Population within 1/4 mile of site:

- ☒ 0-10  
☐ 10-100  
☐ greater than 100

Population within 1 mile of site:

- ☐ 0-10  
☒ 10-100  
☐ 100-1000  
☐ greater than 1000

Surrounding land use (woodlot, agricultural, recreation, industrial, etc.)

NORTH	Woodlot	EAST	Woodlot/Residential
SOUTH	Woodlot	WEST	Woodlot

Municipal water supply within 3-mile radius (note use of surface water and/or wells)

Perkasie Borough Authority; Two miles from site utilizes

Reservoirs filled from wells

Source: PA DER Bureau of Land Reclamation files

Domestic wells. Approximate number within 1/4 mile: 3  
List nearest wells below and show locations on attached map.

Owner/Resident

Address

Phone

(b) (6), (b) (9)

Groundwater flow direction, if known

Southeast

Description of odor/taste problems

None

State inspection activity (including permits held)

Mining inspections occur on a quarterly basis.

State/Federal/Private remedial activities

Additional comments--Further description of site

None

#### SITE CONTACTS

Name and Title	Affiliation	Phone
Gary Taylor Supt.	Rock Hill Const.	(215) 536-0440
Joe Bronico Supv.	Rock Hill Const.	(215) 536-0440
Jonas Carpenter	DER Mining Inspector	(215) 446-6287
Vernon Snyder	General Crushed Stone	(215) 253-4271

#### INSPECTION INFORMATION

Name and title of inspector(s) Michael Pennella

Agency PA DER Phone number 270-1948

Date May 27, June 3 Time on site 2 hrs

Weather conditions:

Sunny & Hot Temp: 85°

#### ATTACHMENTS

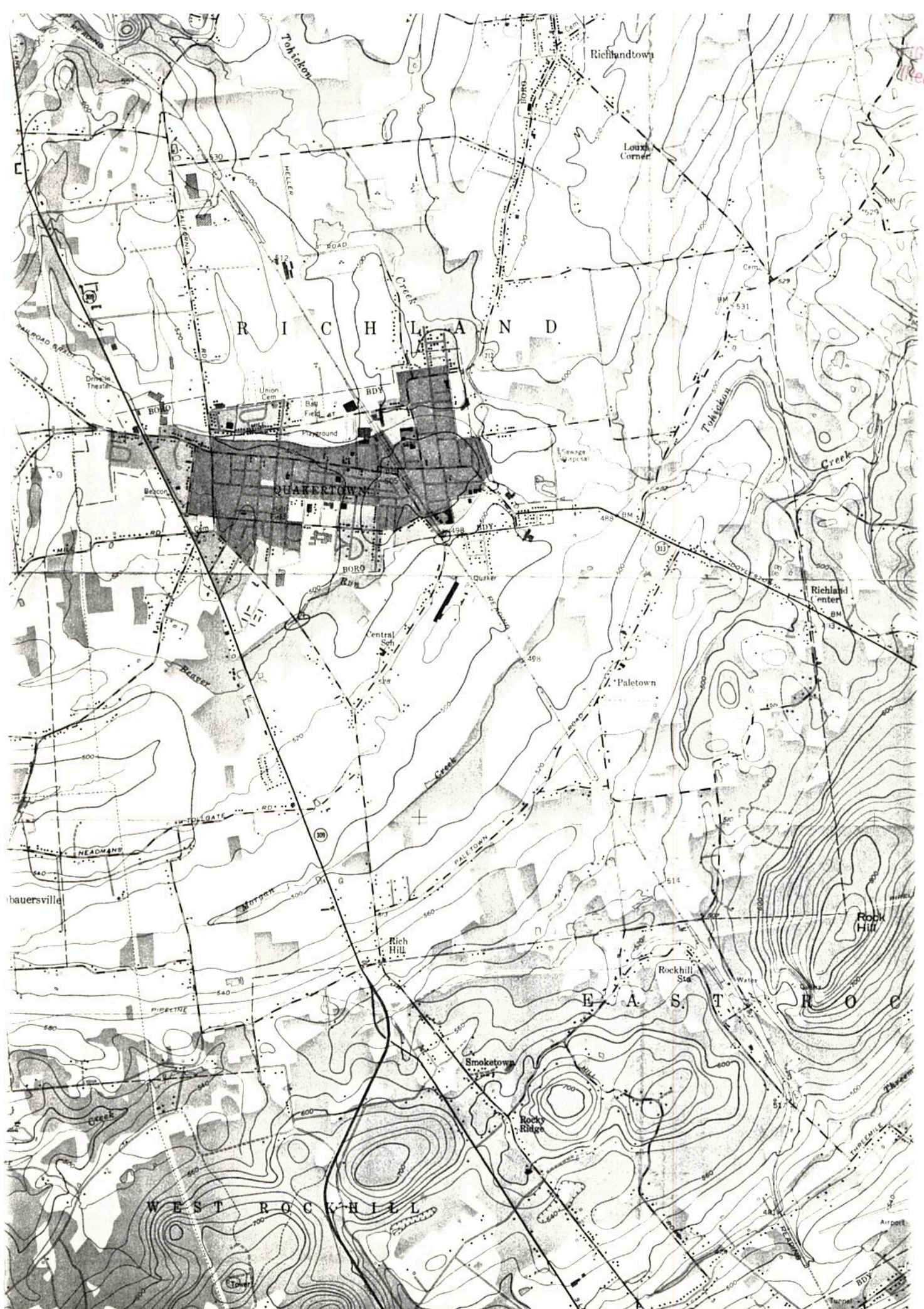
- o Topographic map identifying site location. Include name of quadrangle map.
- o Site sketch map showing location of monitoring wells, domestic wells, municipal water supplies, and areas of concern (lagoons, leachate seeps, drums, etc.)
- o Any available sampling results or state monitoring data with map showing sample locations.





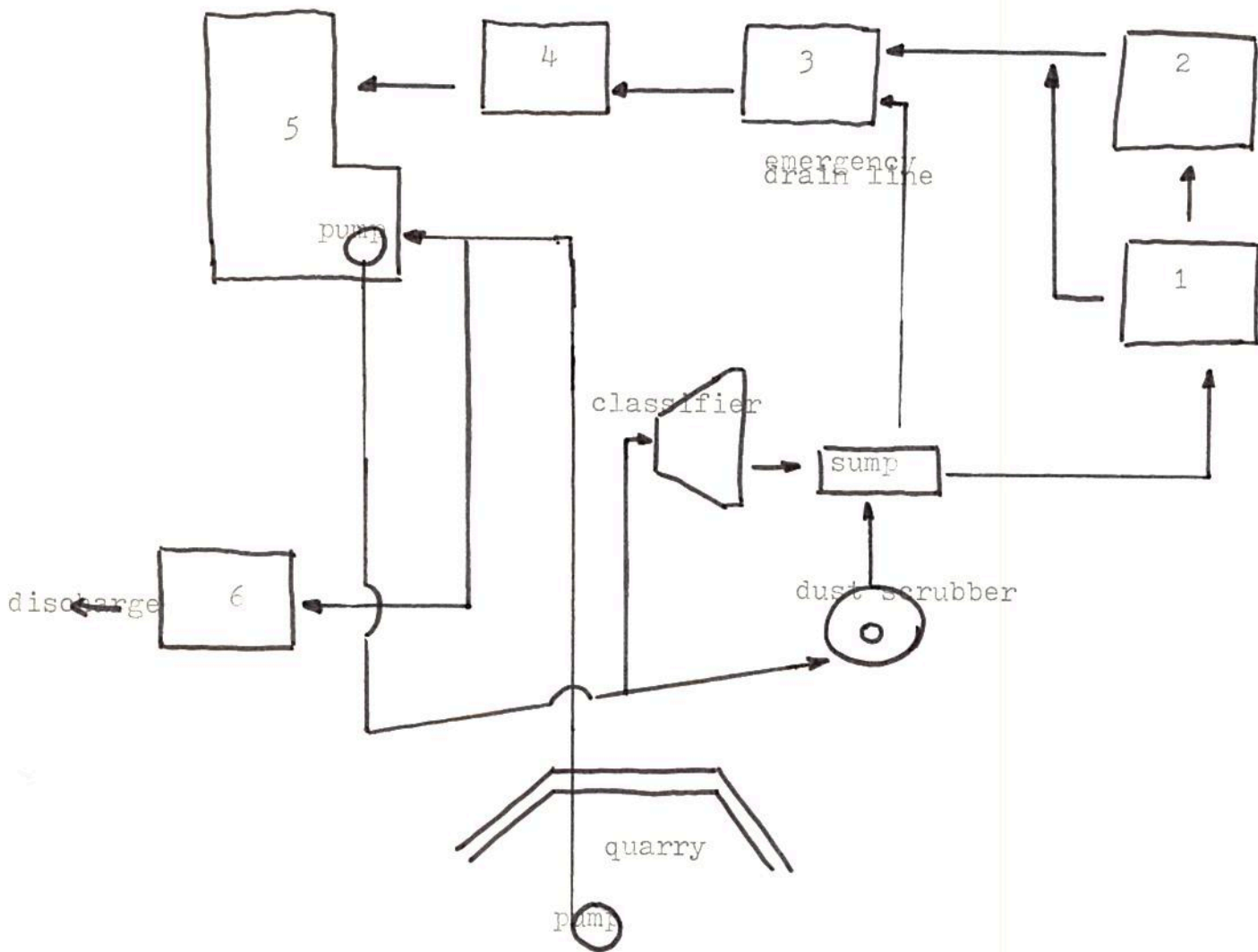


ORIGINAL  
(Red)





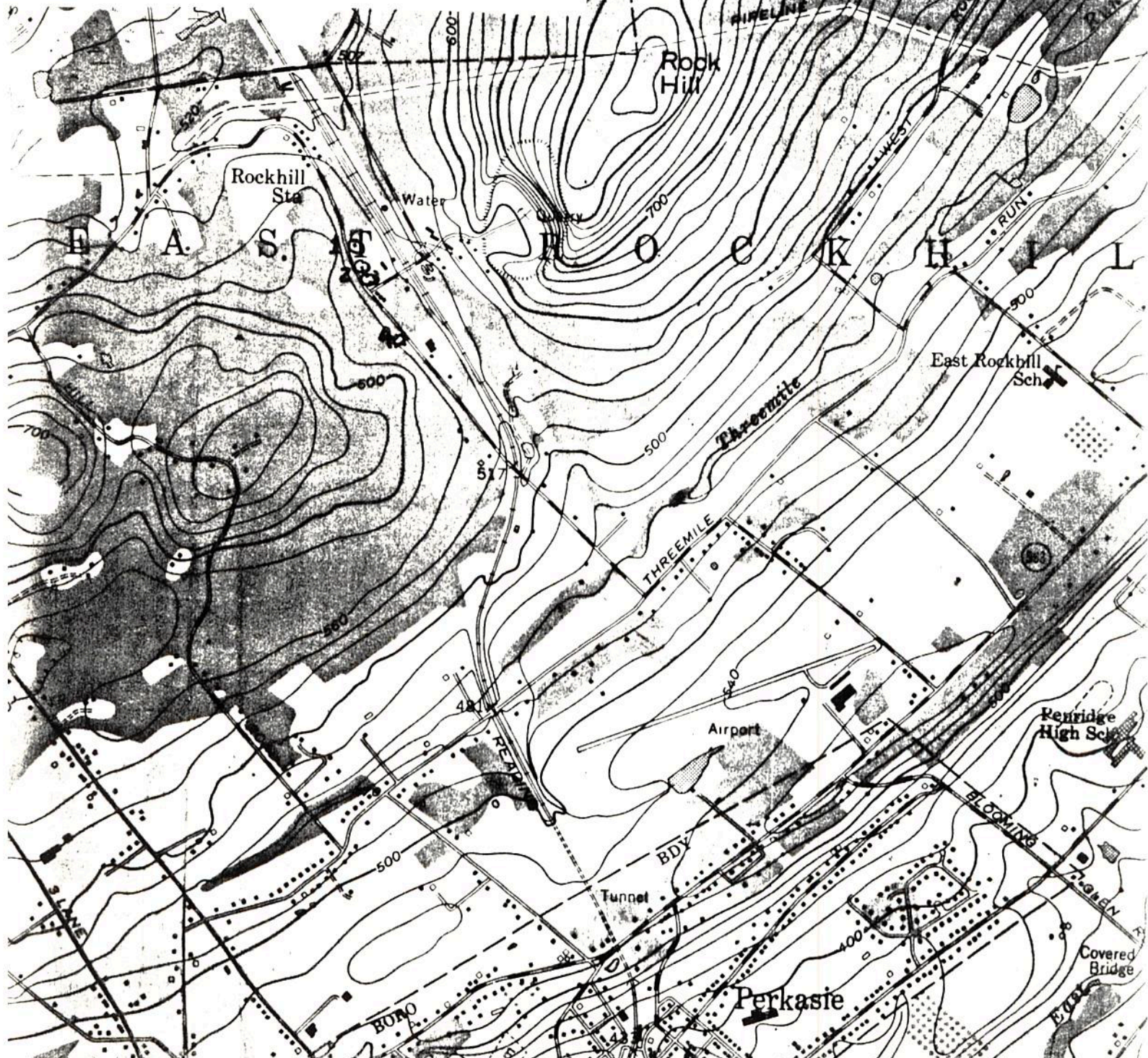
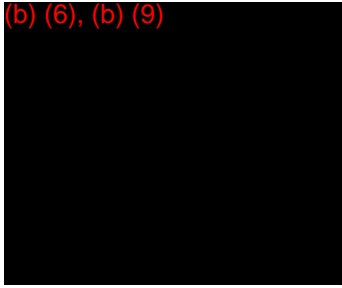
IMPOUNDMENT TREATMENT SYSTEM





DRINKING WATER SOURCES

(b) (6), (b) (9)





REFERENCES

Pa. DER Region I Files  
1875 New Hope St.  
Norristown, Pa. 19401

Bucks County Health Dept. Files  
Neshaniny Manor Center  
Doylestown, Pa. 18901

Pa. DER Bureau of Land Reclamation Files  
Pottsville, Pa.

PERSONS INTERVIEWED

Jonas Carpenter  
DER Mining Inspector  
(215) 446-6287

Gary Taylor  
Rock Hill Construction  
(215) 536-0440

Joe Bronico  
Rock Hill Construction  
(215) 536-0440

Vernon Snyder  
General Crushed Stone Inc.  
(215) 253-4271

Donald Knorr  
Pa. DER Aquatic Biologist  
(215) 270-1975

Everett C. Hogg  
Bucks County Health Dept.  
(215) 345-3326

APPENDIX

Contents:

Violation Notice / Unpermitted Industrial Waste Discharge  
11/19/70

Violation Notice/ Unpermitted Industrial Waste Discharge  
4/16/71

PIP Plan , Regional Engineer's Review

Don Knorr, DER Environmental Protection Specialist Memo

Pa. DER Settlement Letter. Oil discharge into waters of  
the Commonwealth. 10/20/75

Pa. DER Settlement Letter. Exceeding visible emissions  
Standards. 3/24/82

# BUCKS COUNTY DEPARTMENT OF HEALTH

File ~~ORIGINAL~~  
(Red)

## Board of Health

John L. Jacoby, Chairman  
John L. Stover, Jr., Vice Chairman  
William J. Mackensen, Jr.  
Paul W. McIlvaine, M.D.  
George W. Shaffer, M.D.

## Administrative Offices

Neshaminy Manor Center  
Doylestown, Pennsylvania 18901  
343-2800

## Field Offices

143 South 11th Street  
Quakertown, Pennsylvania 18951  
536-6500

410 Bath Road  
Bristol, Pennsylvania 19007  
788-0491

Neshaminy Manor Center  
Doylestown, Pennsylvania 18901  
343-2800

## Director

William C. Spring, Jr., M.D., M.P.H.



November 19, 1970

## CERTIFIED MAIL

Mr. Joseph P. Civial, Superintendent  
General Crushed Stone Company  
Rock Hill Plant  
P. O. Box 96  
Quakertown, Pa. 18951

SUBJECT: Violation Notice  
Industrial Waste Discharge to Unnamed Tributary  
of Tohickon Creek  
General Crushed Stone Company  
East Rockhill Township, Bucks County

Dear Mr. Civial:

An inspection on November 18, 1970, of the General Crushed Stone Company, Rock Hill Plant, East Rockhill Township, Bucks County by Everett C. Hogg, Sanitary Engineer with this Department revealed that industrial wastes from the Company were being discharged into an unnamed tributary of the Tohickon Creek. The industrial waste discharge results from wash waters from the bituminous concrete and stone crushing plants.

This is to notify you that the discharge of such industrial wastes to State waters without a permit is a violation of the Clean Streams Law, the Act of June 22, 1937, P.L. 1987, as amended.

Corrective measures must be taken immediately to halt the unapproved discharge to the creek and we expect a clear-cut statement from you within seven (7) days from receipt of this letter describing the action that was taken to accomplish compliance. The statement must include the date and manner in which compliance was obtained.

Compliance with this directive will not preclude present or future legal action.

Very truly yours,

Albert W. Wills, P.E.  
Chief Sanitary Engineers

AWW/bw

cc: E. W. Sayer, Enforcement and Administrative Chief  
Human Services Region I - Pennsylvania Department of Health



# BUCKS COUNTY DEPARTMENT OF HEALTH

## Board of Health

John L. Jacoby, Chairman  
John L. Stover, Jr., Vice Chairman  
Mrs. Charles Benhayon  
Paul W. McIlvaine, M.D.  
Walter R. Tice, M.D.

## Director

Edmund K. Lindemuth, M.D., M.P.H.

## Administrative Offices

Neshaminy Manor Center  
Doylestown, Pennsylvania 18901  
343-2800



## Field Offices

143 South 11th Street  
Quakertown, Pennsylvania 18951  
336-6500

410 Bath Road  
Bristol, Pennsylvania 19007  
788-0491

Neshaminy Manor Center  
Doylestown, Pennsylvania 18901  
343-2800

April 16, 1971

## CERTIFIED MAIL

Mr. Joseph P. Civial, Superintendent  
General Crushed Stone Company  
Rock Hill Plant  
P. O. Box 96  
Quakertown, Pennsylvania 18951

Subject: Violation Notice  
Industrial Waste Discharge to Unnamed  
Tributary of Tohickon Creek  
General Crushed Stone Company  
East Rockhill Township, Bucks County

Dear Mr. Civial:

An inspection on April 14, 1971, at the subject location by Everett C. Hogg, Sanitary Engineer with this Department, found that industrial wastes from the Company were being discharged into an unnamed tributary of the Tohickon Creek. The industrial waste was leaking from an unapproved lagoon which receives wash waters from the bituminous concrete and stone crushing plants.

This is to notify you that the discharge of such industrial wastes to State waters without a permit is a violation of the Clean Streams Law the Act. of June 22, 1937, P. L. 1987, as amended. Furthermore, the lagoon(s) at the site are not under permit or being maintained as required by Article 800 of the Department of Environmental Resources' Rules and Regulations.

Corrective measures must be taken immediately to halt the unapproved discharge to the creek and to comply with Article 800. We expect a clear-cut statement from you within seven (7) days from receipt of this letter describing the action that was taken to accomplish compliance. The statement must include the date and manner in which compliance was obtained.

ORIGINAL  
(10-1)

Mr. Joseph P. Civial

April 16, 1971

Compliance with this directive will not preclude present or future legal action.

Very truly yours,

Albert W. Wills, P. E.  
Chief Sanitary Engineer

AWW/bw

cc: E. W. Sayer, Enforcement and Administrative Chief  
Pennsylvania Department of Environmental Resources  
Management and Board Services  
Fish Commission

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES  
SANITARY ENGINEERING

ORIGINAL  
(Red)

For Department Use Only

# INTERNAL REVIEW AND RECOMMENDATIONS

## REGIONAL ENGINEER'S REVIEW

NAME OF APPLICANT The General Crushed Stone Company PROJECT LOCATION East Rockhill Twp. Bucks County APPLICATION NUMBER 0971205

### BRIEF DESCRIPTION OF PROJECT:

Pollution Incident Prevention Plan  
The General Crushed Stone Company  
East Rockhill Township, Bucks County

### DISCUSSION (Use Additional Sheets If Necessary):

The applicant proposes to provide measures to prevent the occurrence of any pollution incidents which might occur as a result of unusual circumstances either caused by the company or by outside sources. The company is involved in the quarrying and crushing of stone and the production of bituminous concrete. All industrial waste produced by the stone crushing and bituminous concrete plants is circulated through a lagoon system and reused.

### CURRENT ESTIMATE OF COMPLETION DATE OF PROJECT (Industrial Wastes Only)

### RECOMMENDATION AND ACTION

### APPROVAL - RELEVANT LAWS, REGULATIONS, STANDARDS, AND POLICIES HAVE BEEN COMPLIED WITH:

Issue By Region	Issue By Central Office	Refuse	Signature	Date
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	REVIEWING ENGINEER	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	FACILITIES ENGINEER	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	REGIONAL ENGINEER	
	<input type="checkbox"/>	<input type="checkbox"/>	DIV. FACILITIES ENGINEER	
	<input type="checkbox"/>	<input type="checkbox"/>	DIVISION DIRECTOR	
PERMIT CONDITIONS:		<input type="checkbox"/>	BUREAU DIRECTOR	

1. STANDARD -

2. SPECIAL (Use Additional Sheets If Necessary) -



The stone crushing operation does not involve the use or storage of any significant amounts of liquids, other than water. The bituminous concrete plant includes storage tanks for liquid asphalt and fuel oil. Dikes will be constructed around these tanks to contain any spillage or leakage. The filling of these tanks will be continually observed and controlled to immediately react to any spills.

Since the wastewater is a result of washing stone and dust control, the breakdown of plant equipment would result in the ceasing of the production of wastewater. The discharge of waste water from a ruptured pipe would be stopped by shutting off the appropriate pump(s). Furthermore, the site is sloped towards the company's lagoon system.

Power failures will not cause any foreseeable pollution incidents since the operation of the entire facility would cease. The site would not be affected by any flooding. Vandalism will be controlled by locking the appropriate control valves and posting the area.

There have been no serious pollution incidents at this facility other than leakage from two (2) impoundments which has now been abated. In case of a pollution incident, the plant manager will notify the Department of Environmental Resources.

It is the opinion of this writer that the pollution incident prevention plan submitted by the General Crushed Stone Company provides adequately for the prevention of accidental pollution. Accordingly it is recommended that this plan be made a part of Industrial Waste Permit No. 0971205.

AWW:ECH:nk

WATER QUALITY MANAGEMENT  
1875 New Hope Street  
Norristown, Pa. 19401

September 17, 1975

The General Crushed Stone Company  
Permit Application #7974SM1  
Open Pit Mine  
East Rockhill Township, Bucks County

Chief, Division of Mine Drainage Control & Reclamation  
Bureau of Water Quality Management  
Harrisburg

Donald F. Knorr  
Environmental Protection Specialist  
Region I - Norristown

THRU: Walter E. Stanley, Jr., Chief  
Operations Section  
Region I - Norristown  
and  
Program Services Section  
Harrisburg

On May 13, 1975, the writer conducted an investigation of the General Crushed Stone Company's East Rockhill Township plant, and an unnamed tributary of Tohickon Creek. Accompanying the writer were Thomas Strekal, Regional Aquatic Biologist and Paul M. Yaniga, Regional Geologist.

The quarry is an open stone quarry mining diabase, for use as crushed stone and aggregate.

Chemical samples were taken of the quarry discharge, and up and downstream of the unnamed tributary. The samples indicate that the lagoon system was not providing adequate treatment, in regards to turbidity, suspended solids, and total iron. (in addition, oil was present on the surface of one lagoon). In addition, to the direct discharge, the tributary appeared to be heavily silted and turbid from runoff water from the roadways and parking areas. At the time of the inspection, the tributary was discolored and very silted.

The Geologist made the following comments:

1. At the present time, there are two (2) wells located at the Rockhill Plant, one of which is used for sanitary facilities and dust control and the other for use at the plant office. The nearest adjacent use is located down gradient of the quarry approximately 400 yards.
2. Impoundments - currently there are five (5) impoundments and one (1) sump which is located along the southern wall in the quarry. At the time of our investigation, the final effluent from the settling basins appeared to be less than desirable with respect to suspended solids, the indications being that detention time is inadequate for discharge to the unnamed tributary of Tohickon Creek.
3. The current depth of mining is approximately 90 - 100 feet below the original surface with indications being that mining is approaching the ground water table.



Page 2

Chief, Division of Mine Drainage Control & Reclamation  
September 17, 1975

Conclusions:

1. Current operations appear to be minimally affecting the local ground water table. Future mining should it proceed vertically, will most probably result in increased pumping of ground water and a localized lowering of the water table.
2. The General Crushed Stone Company should initiate a study of their treatment system and make necessary improvements to comply with water quality standards.
3. The General Crushed Stone Company should prepare and implement potential pollution contingency plans to prevent oil spills and other polluttional incidents from occurring.
4. Excessive runoff should be channeled away from the unnamed tributary.
5. When the above recommendations are implemented, it is recommended that the permit be issued.

DFK:jt

1875 New Hope Street  
Norristown, Pa. 19401  
215 631-2405

October 20, 1975

CERTIFIED MAIL 044414

Mr. Vernon R. Snyder  
The General Crushed Stone Company  
Easton, Pa. 18042

Re: Industrial Waste  
General Crushed Stone Co.  
East Rockhill Township, Bucks County

Dear Mr. Snyder:

This is to confirm the results of an administration conference held in this office on October 10, 1975. Attending the meeting were Vernon R. Snyder representing the interests of Crushed Stone, and Donald R. Knorr and Guy E. Manley representing this Department.

We discussed the discharge of industrial waste (fuel oil) which had occurred on the property of General Crushed Stone Company on May 13, 1975. This Department noted that fuel oil from two storage tanks had somehow gotten into the enclosure formed by cinder blocks around said storage tanks. The oil was flowing from a valve in the cinder blocks and went from the valve to a drainage ditch into some holding ponds and into an unnamed tributary to the Tohickon Creek. No report was made to this Department on the oil spill.

Mr. Snyder of General Crushed Stone noted that he was unaware of the cause of the spill and had no idea how many gallons were lost. General Crushed Stone promised to submit a written report to this Department regarding the circumstances surrounding the spill and the steps which will be taken to prevent a similar spill in the future by October 28, 1975.

The General Crushed Stone Company was told that in lieu of any further civil or administrative action for the violation occurring on May 13, 1975 (oil spill) this Department will accept a voluntary payment for Two Hundred and Fifty (\$250.00) Dollars made out to the Clean Water Fund, payable on October 28, 1975.

This agreement must be signed and the original returned to this office by October 10, 1975. If it is agreeable to you.

---

for General Crushed Stone Co.

---

Guy E. Manley

cc: P. C. Moor, Vice President  
General Crushed Stone Co.



Department of Environmental Resources

1275 New Hope Street  
Norristown, PA 19401  
215 631-2415

March 24, 1982

General Crushed Stone Company  
P.O. Box 231  
Easton, PA 18042

Attention: Mr. V. Snyder

Gentlemen:

As discussed in our October 28, 1980 meeting and upon mutual consent, the General Crushed Stone Company and the Department of Environmental Resources have entered into the following agreement (hereinafter "Agreement").

1. The General Crushed Stone Company (hereinafter "GCS") is a Pennsylvania corporation and owns and operates a stone quarry, stone crushing and screening plant and an asphalt batch plant in East Rockhill Township, Bucks County, Pennsylvania.
2. On October 1, 1980, the Department of Environmental Resources determined that the visible emissions exhausting from GCS asphalt plant scrubber stack were in excess of the allowable limit under the terms of Sections 123.41(1) and 127.25 of Chapters 123 and 127 of the Department's Rules and Regulations, 25 Pa. Code Section 123.41(1), Section 127.25.
3. On October 1, 1980, the Department of Environmental Resources determined that the dust suppression systems located on GCS secondary crushers within the crushing barn were not in complete operation and the resultant fugitive dust emissions from the crushing barn were in excess of the allowable limits of Section 123.1 of Chapter 123 of the Department's Rules and Regulations, 25 Pa. Code Section 123.1.
4. After notice of violation by the Department, GCS made corrections to the asphalt batch plant and crushing plant to comply with Chapters 123 and 127.
5. In settlement of the claims of the aforementioned violations of the Air Pollution Control Act, GCS shall pay the sum of Three Hundred dollars (\$300.00) to the Clean Air Fund of Pennsylvania. This sum is due and payable upon execution of this Agreement. Said payment shall be forwarded to Mr. Morris S. Malin, Chief, Division of Abatement and Compliance, Bureau of Air Quality Control, Department of Environmental Resources, P.O. Box 2063, 18th Floor, Hilton Building, 200 North 3rd Street, Harrisburg, PA 17120. Payment shall be accompanied by a completed copy of form ER-AQ-3, a copy of which is attached.



6. In consideration of the foregoing voluntary settlement of this Agreement, the Department of Environmental Resources agrees that it will not initiate any action at law or in equity against CCS for violations of the Air Pollution Control Act which occurred on October 1, 1980.
7. CCS, intending to legally bound, hereby agrees to the terms and conditions of this agreement.

Please have an authorized representative of CCS execute and return three (3) signed copies of the agreement to me within ten (10) days of its receipt. Do not forward the monetary payment until you have received a signed copy.

FOR THE DEPARTMENT OF ENVIRONMENTAL RESOURCES:

4/14/82  
Date

4/14/82  
Date

N. Rao Kona  
N. Rao Kona  
Regional Air Pollution Control Engineer

John W. Wimer  
Attorney for the Commonwealth

FOR GENERAL CRUSHED STONE COMPANY:

(CORPORATE SEAL)

4/5/82  
Date

4/7/82  
Date

[Signature]  
Corporate President or  
Corporate Vice-President

W. J. Pyper, Asst. Sec.  
Corporate Secretary or Assistant  
Corporate Secretary or Corporate  
Treasurer or Assistant Corporate Treasurer

                      
Date

                      
Attorney for General Crushed Stone

JP709





ORIGINAL  
(Red)